CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Name of Work: Improvements work at Mustering Centre for Pourakarmikas in Ward No.13, BBMP, Bangalore.

Name of Client	:	**Executive Engineer,** Project Division, Dasarahalli Zone, BBMP, Bangalore.
Contractor/Agency	:	**Technical Manager,** KRIDL, Bangalore.
Total Cost	:	Rs. 24.98 Lakhs
Date of Inspection	:	29.01.2021
Status of Bill	:	1st and Final bill
In the Presence of	:	(a) **Assistant Engineer** (Project Division, Dasarahalli Zone), BBMP, Bangalore.
	:	(b) **Mr. Yashas,** Engineer M/s Civil Aim Consultant & Engineers, Bangalore.

3rd Party Report

Sl. No	Description of the Item		Comments / observations
1	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m in depth including dressing the bottom and	:	Work done up to the billed quantity and Quality is satisfactory
2	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite	:	Work done up to the billed quantity and Quality is satisfactory
3	Providing and constructing granite /trap/ baslat size stone masonry in foundation with cement mortar 1:6, stones hammerd dressed in courses not less than 20cms high, bond stones at two m. apart in each course including cost of	:	Work done up to the billed quantity and Quality is satisfactory
4	KSRB 4.2.7: Providing and laying in position reinforced cement concrete cum of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates	:	Work done up to the billed quantity and Quality is satisfactory

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5	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69	:	Work done up to the billed quantity and Quality is satisfactory
6	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with	:	Work done up to the billed quantity and Quality is satisfactory
7	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine	:	Work done up to the billed quantity and Quality is satisfactory
8	Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/rrim2 confirming to JS 2185 (Part 1):2005 and constructed	:	Work done up to the billed quantity and Quality is satisfactory
9	Providing 18mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering: providing and removing	:	Work done up to the billed quantity and Quality is satisfactory
10	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs,	:	Work done up to the billed quantity and Quality is satisfactory
11	Providing and laying flooring using prepolished , water cut/ gang saw 19mm thick granite laid over existing floor in CM 1:4 at 20mm thick (average) and pointed with white/ grey pigment etc.,	:	Work done up to the billed quantity and Quality is satisfactory
12	Providing full nosing for 40mm thick granite slab using required machinery including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per	:	Work done up to the billed quantity and Quality is satisfactory

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13	Providing and applying painting two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after throughly brushing the surface free from mortar	:	Work done up to the billed quantity and Quality is satisfactory
14	Extra for providing and applying every subsequent coat of painting with plastic emulsion paint of approved brand and shadefor Item No.15-15.1 and 15.53 cost of materials, labour complete as per	:	Work done up to the billed quantity and Quality is satisfactory
15	Providing textured paint of approved quality, colour and shade to wall surface after cleaning and rubbing the wall surface with wire brush of medium size emery stone to remove all the loosely	:	Work done up to the billed quantity and Quality is satisfactory
16	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to	:	Work done up to the billed quantity and Quality is satisfactory
17	Applying priming coat over new wood surface and/ or wood based surface after preparing the surface after throughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting	:	Work done up to the billed quantity and Quality is satisfactory
18	Providing and applying painting two coats (excluding priming coat) on new wood surface and/ or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt,	:	Work done up to the billed quantity and Quality is satisfactory
19	KSRB 15-18.1 : Applying red lead ready mix priming coat over new steel or other metal surface including preparing the surface after throughly cleaning oil,	:	Work done up to the billed quantity and Quality is satisfactory
20	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and	:	Work done up to the billed quantity and Quality is satisfactory

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21	KSRB 7.17 : Providing, fabricating, assembling and fixing in position aluminium doors using following aluminium mat finish or glossy finish, outer frame plain section	:	Work done up to the billed quantity and Quality is satisfactory
22	Providing and fixing PVC Hollow Door Frame of the size 50x47mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet, mitre cut at two corners and joined with 2 No.s of	:	Work done up to the billed quantity and Quality is satisfactory
23	"SOLID PANEL PRELAM PVC DOOR SHUTTER" Providing and fixing 30MM thick factory made rigid foam with both side Prelam Panelled	:	Work done up to the billed quantity and Quality is satisfactory
24	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass	:	Work done up to the billed quantity and Quality is satisfactory
25	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass	:	Work done up to the billed quantity and Quality is satisfactory
26	Providing and fixing to wall, ceiling and floor unplasticised PVC pipes 10.00 kgf/sq.cm working pressure chemp plast / Wavin or equivalent make with pipe fittings, wall clips, making good the	:	Work done up to the billed quantity and Quality is satisfactory
27	KSRB 8.6-6 : Providing and fixing on wall surface 2.5kg / sq.cm H.D.P.E. rain down water pipes 110mm outer dia approved make and brand with necessary specials like shoes, bends and	:	Work done up to the billed quantity and Quality is satisfactory
28	Providing and fixing to wall, ceiling and floor unplasticised PVC pipes 10.00 kgf/sq.cm working pressure chemp plast / Wavin or equivalent make with pipe fittings, wall clips, making good the	:	Work done up to the billed quantity and Quality is satisfactory

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29	Providing and fixing to wall, ceiling and floor unplasticised PVC pipes 10.00 kgf/sq.cm working pressure chemp plast / Wavin or equivalent make with pipe fittings, wall clips, making good the	:	Work done up to the billed quantity and Quality is satisfactory
30	Bib cock 25mm nominal bore-NP (P.No. XXIV,I.No.0026 PWD SR 2018-19)	:	Work done up to the billed quantity and Quality is satisfactory
31	Gate value 50mm nominal bore-gun metal (P.No. XXVI,I.No.0164 ,PWD SR 2018-19)	:	Work done up to the billed quantity and Quality is satisfactory
32	KSRB 13-11.1 : Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all	:	Work done up to the billed quantity and Quality is satisfactory
33	KSRB 11-1 : Providing and fixing white vitreous china clay, water closet Indian type (Squatting pan) of size 580mm with footrests, 100mm S or P trap, 10 litre	:	Work done up to the billed quantity and Quality is satisfactory
34	Providing and fixing white vitreous china clay flat back wash basin size 630x450mm with a single of 15mm C.P. brass pillar taps with C.I. /M.S. brackets 32mm C.P. brass waste of standard	:	Work done up to the billed quantity and Quality is satisfactory
35	Providing and fixing C. I. Manhole cover with frames 600 x 600 mm size (40 kgs) (P.No. XXXIX, I. No. 636 PWD SR 2016-17)	:	Work done up to the billed quantity and Quality is satisfactory
36	Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atlanta/calamal/ waterman/Radha make suitable HP deep well submercible pumpset suitable for vertical installation in 50mm dia borewells compressing of	:	Work done up to the billed quantity and Quality is satisfactory
37	Rectangalur shape mirror of size 1500x450mm with plastic moulded frame (Page XXVI, Item No 680 PWD SR-2018-19)	:	Work done up to the billed quantity and Quality is satisfactory

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38	Stone dust / Grit Page No.II PW,P&IWTD SR2018-19	:	Work done up to the billed quantity and Quality is satisfactory
39	Filling avaialble excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms in depth compacting each deposited layers by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specification (Page No	:	Work done up to the billed quantity and Quality is satisfactory
40	Removal of Unserviceable Soil with Disposal KSRRB M300-19. Removal of unserviceable soil including excavation, loading and disposal but excluding replacement by suitable soil which shall	:	Work done up to the billed quantity and Quality is satisfactory
41	concealed conduit system supplying heavy gauge pvc conduit pipe25mm dia 2mm think conforming to IS 2509 with suitable size bends,metal /pvc junction	:	Work done up to the billed quantity and Quality is satisfactory
42	concealed conduit system supplying heavy gauge pvc conduit pipe 32mm dia 2.5mm Metal /PVC Junction boxes	:	Work done up to the billed quantity and Quality is satisfactory
43	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100v grade, multistrand Copper conductor single core cable in open or concealed system	:	Work done up to the billed quantity and Quality is satisfactory
44	Point wiring using Copper wire without switch.Supplying and wiring adopting loop system in existing PVC Conduit/casing capping using 1100V Grade, COPPER conductor flexible	:	Work done up to the billed quantity and Quality is satisfactory
	Using Class A Materials short point upto 3mtrs from tapping point to outlet via switch	:	Work done up to the billed quantity and Quality is satisfactory
	Medium point a above 3mtr up to 6mtr from tapping point to out let via switch	:	Work done up to the billed quantity and Quality is satisfactory

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	Long point a above 6mtr up to 10mtr from tapping point to out let via switch	:	Work done up to the billed quantity and Quality is satisfactory
45	Supplying and fixing minature circuit breakers on existing MCB distribuition boards using Necessary fixing Materials and C-Type Curve, indicater ON/OFF,	:	Work done up to the billed quantity and Quality is satisfactory
	5-32Amps DP MCB	:	Work done up to the billed quantity and Quality is satisfactory
	5-32 Amps SP MCB	:	Work done up to the billed quantity and Quality is satisfactory
	32-40A FP ELMCB	:	Work done up to the billed quantity and Quality is satisfactory
46	Supplying and fixing regular MCB distribution boards on wall/wood board/flush mounting using reguired clamps,bolts ,nuts etc,with provision for fixing suitable type capacity MCBs single	:	Work done up to the billed quantity and Quality is satisfactory
47	Supplying and fixing regular MCB distribution boards on wall/wood board/flush mounting using reguired clamps,bolts ,nuts etc,with provision for fixing suitable type capacity MCBs single	:	Work done up to the billed quantity and Quality is satisfactory
48	Supplying and fixing of bakelite D.P/Socket/ switch with /without neon indicater over existing wood board or flush mounting in plastic plates/nitches	:	Work done up to the billed quantity and Quality is satisfactory
49	Supplying and fixing of Modular Switch/Socket/stepped electronic fan regulater /dimmer/telephone socket plateas per IS 3854 and IS 1293 Group	:	Work done up to the billed quantity and Quality is satisfactory
50	Supplying Capacitor type Ceiling Fan Complete with down rod blades, shackle,canopies etc..,for operation on 230 Volts, 50 cycles. Single Phase AC	:	Work done up to the billed quantity and Quality is satisfactory
51	Supply and fixing metal fan box with round hook(page No- 115,I No -17.9 of PWD S.R 2014-15)	:	Work done up to the billed quantity and Quality is satisfactory

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52	6Amps SP Switch (I No-3,7.1 of PWD S.R 2014-15)	:	Work done up to the billed quantity and Quality is satisfactory
53	6 Amps 3ways 5 pin socket (I No-3.7.3 of PWD S.R 2014-15)	:	Work done up to the billed quantity and Quality is satisfactory
54	16 Amps SP Switch (I No-3.7.7 of PWD S.R 2014-15)	:	Work done up to the billed quantity and Quality is satisfactory
55	16 Amps 3Way 5 pin socket (I No-3.7.10, of PWD S.R 2014-15)	:	Work done up to the billed quantity and Quality is satisfactory
56	32 Amps Flush/projected types DP Switch (I No-3.7.9, of PWD S.R 2014-	:	Work done up to the billed quantity and Quality is satisfactory
57	Supplying and flush mounting powder coated metal/ galvanised metal box suitable for mounting moduler switch plates. The box should be firmly flush mounted after due groove cutting in	:	Work done up to the billed quantity and Quality is satisfactory
	1-3 Way	:	Work done up to the billed quantity and Quality is satisfactory
	4-5 Way	:	Work done up to the billed quantity and Quality is satisfactory
58	Supplying and Fixing superior quality modular switch mounting polycarbonate plate with necessary supporting baack plate with required no's of machine screws, bolts, nuts etc.. Complete on the existing metal/PVC Box (15/16/3.6/)	:	Work done up to the billed quantity and Quality is satisfactory
	1-3 Module	:	Work done up to the billed quantity and Quality is satisfactory
	4 Module	:	Work done up to the billed quantity and Quality is satisfactory
	19/20 mm Junction Box	:	Work done up to the billed quantity and Quality is satisfactory
59	Supplying Fixing,wiring,earth electrode for grounding conduits,I C Cutouts and other equipments on the meter board using 40mm dia 2.9mm thick GI Pipe 2.5 mtr Long bureid in a pit.. The pit should be filled with equal proportion of Salt and Charcoals 150mm Alround the Pipe Complete depth the connection	:	Work done up to the billed quantity and Quality is satisfactory

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60	Supplying CFL Mirror Light Fitting With 2x11W CFL Lamp, Choke, perspex cover and completely wired for use on 230V 50HZ,AC (25/4.25) (I No-4.23, of PWD S.R 2014-15)	:	Work done up to the billed quantity and Quality is satisfactory
61	BESCOM Deposit Charges	:	Work done up to the billed quantity and Quality is satisfactory
62	Providing Plastic Chairs	:	Work done up to the billed quantity and Quality is satisfactory
63	Providing Gadraj Alamara	:	Work done up to the billed quantity and Quality is satisfactory
64	Providing Gadraj Table	:	Work done up to the billed quantity and Quality is satisfactory

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

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